

A ROUND-OFF ALGORITHM WITHOUT BIAS FOR 2'S COMPLEMENT DATA

ABSTRACT OF THE DISCLOSURE

5 A round off mechanism maintains a mean value of the
operand while rounding twos complement binary data.
Positive data values are incremented at the first discard
bit prior to truncation of the discard bits, as are
negative data values having a one within the most
significant discard bit and at least one other discard bit.
The discard bits are simply truncated for all other
negative data values.